

FIG. 1A

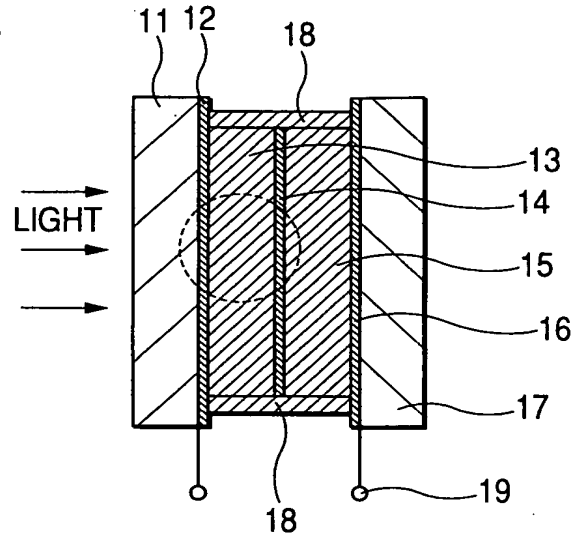


FIG. 1B

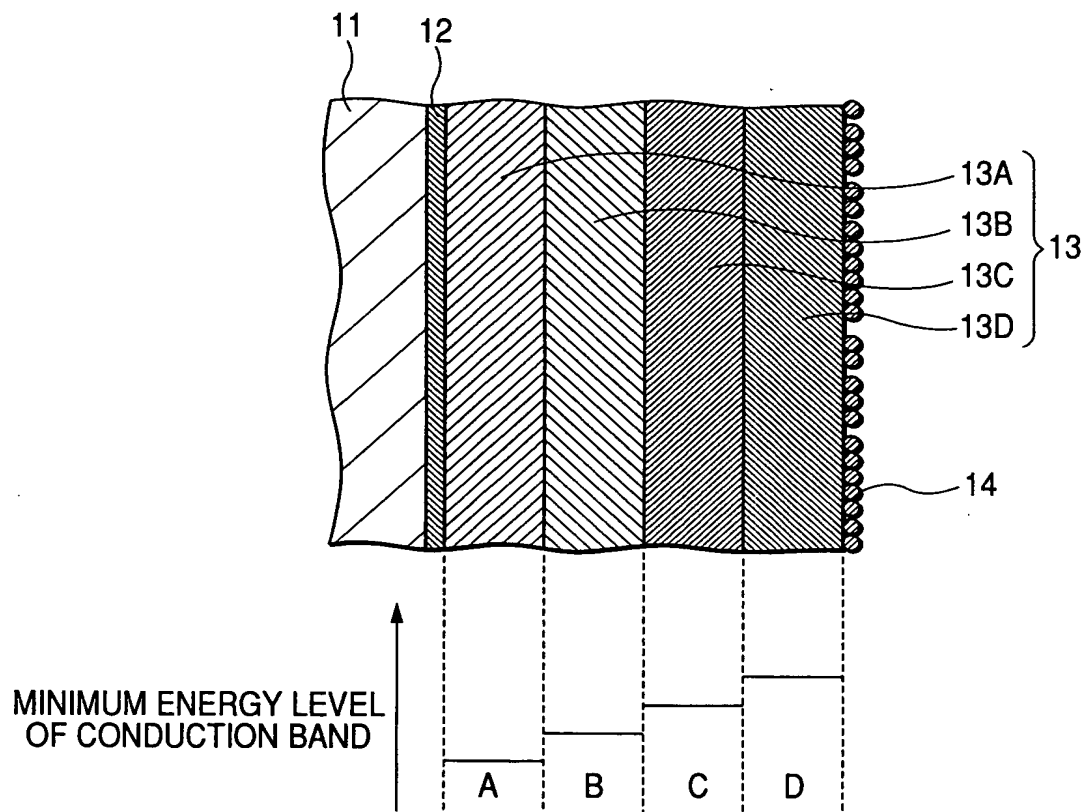
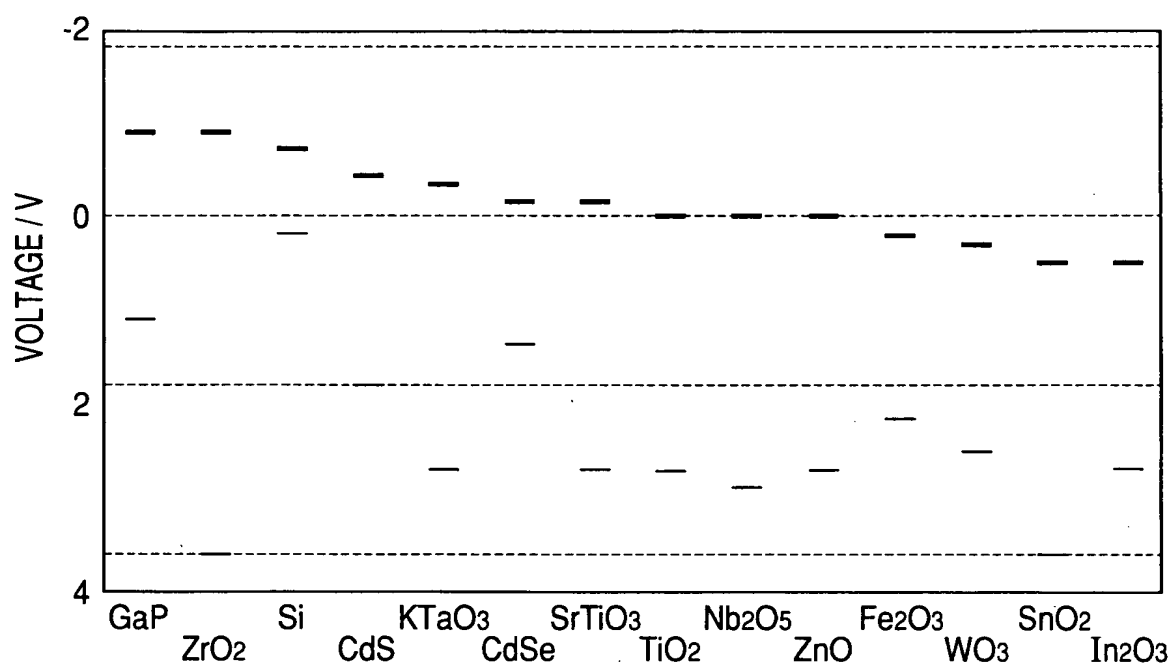


FIG. 2



{ — MINIMUM ENERGY LEVEL OF CONDUCTION BAND
— MAXIMUM ENERGY LEVEL OF VALENCE ELECTRON BAND
(VOLTAGE AGAINST REFERENCE HYDROGEN ELECTRODE VOLTAGE)

FIG. 3

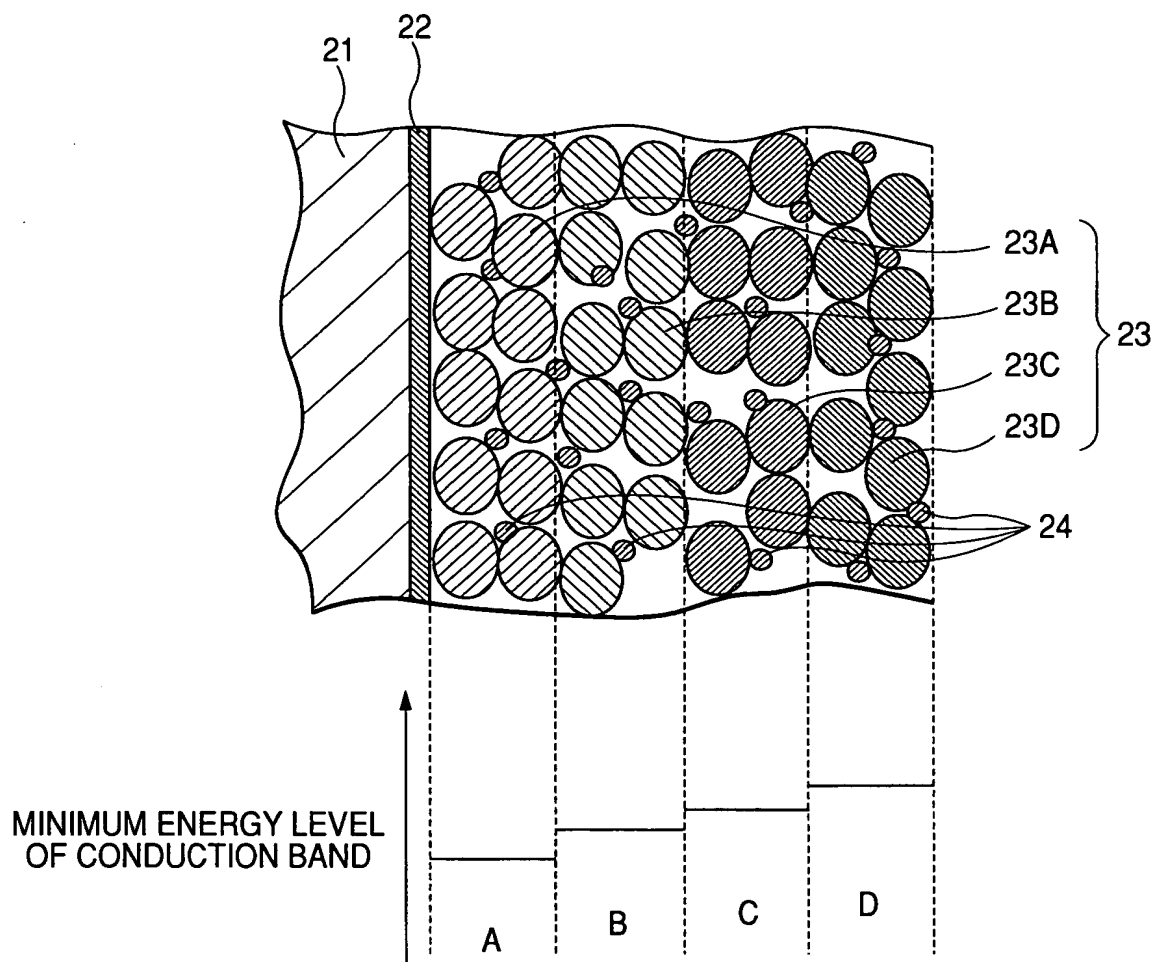


FIG. 4A

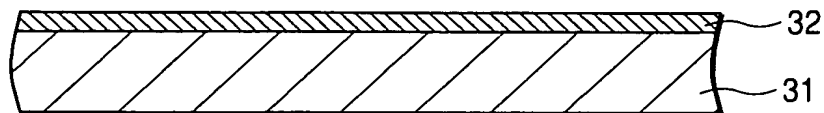


FIG. 4B

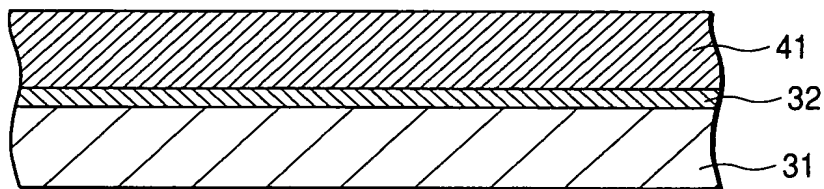


FIG. 4C

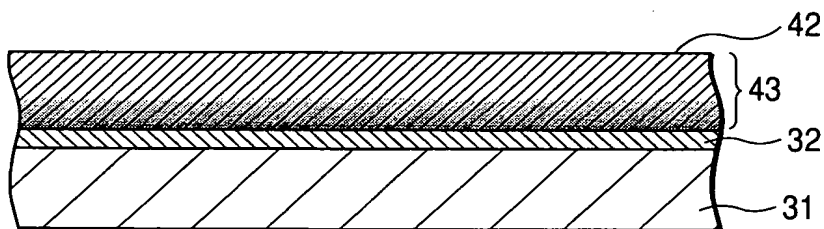


FIG. 4D

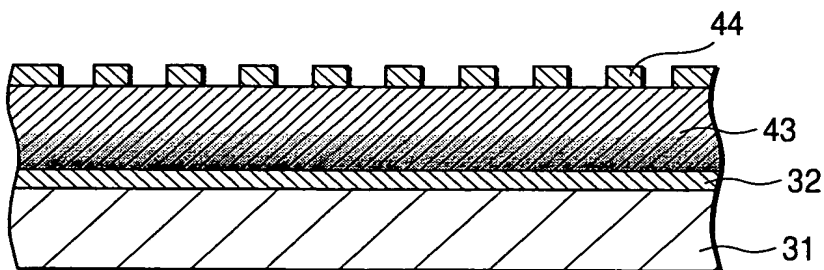


FIG. 4E

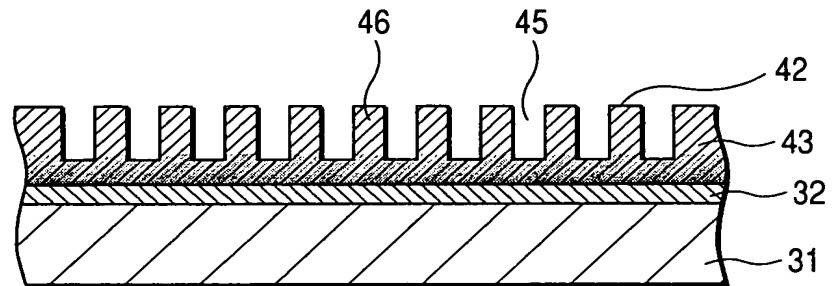


FIG. 4F

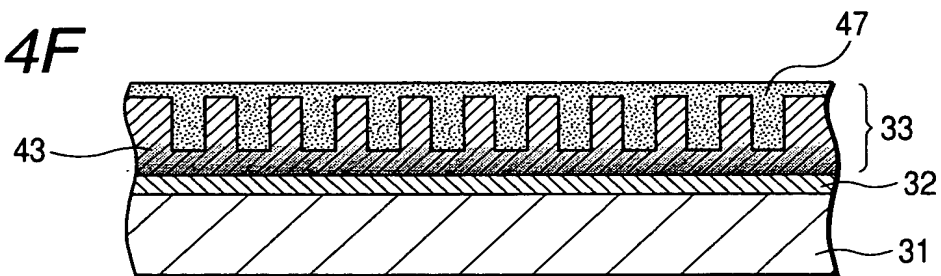


FIG. 4G

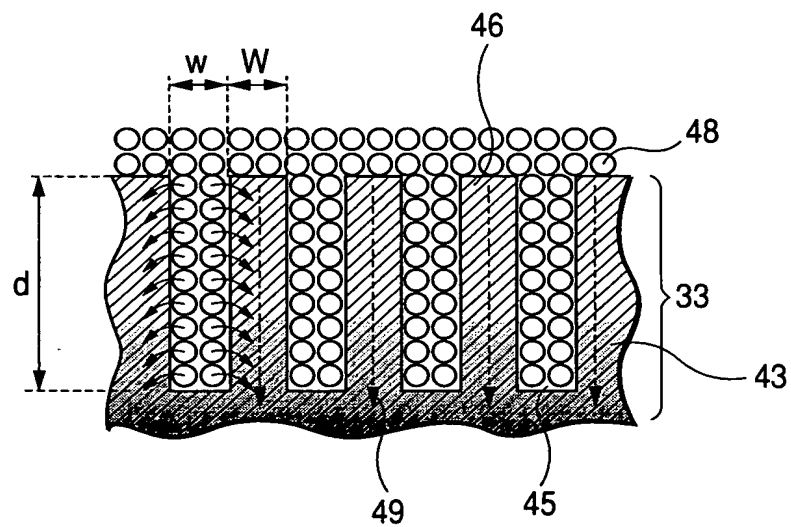


FIG. 5A

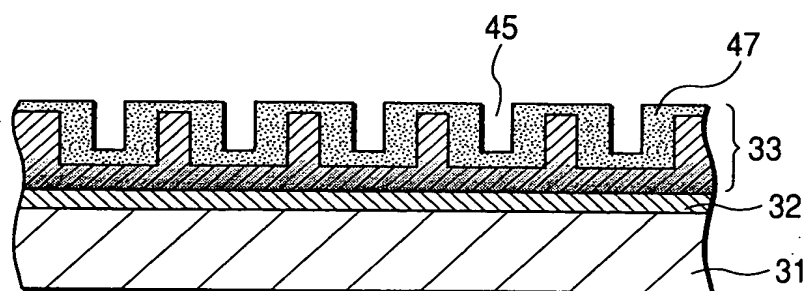


FIG. 5B

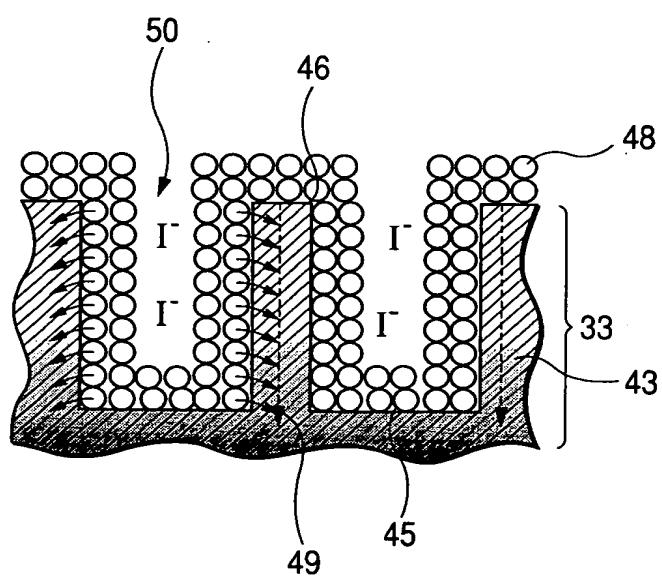


FIG. 6

